Volume 48—Contents

NO. 1. JANUARY 1968

1 Factors Governing Movement and Distribution of Inorganic Ions in Nerve and Muscle
P. C. Caldwell

65 Cellular Neurophysiological Approaches in the Study of Learning
Eric R. Kandel and W. Alden Spencer

135 The Cervix and its Secretion in Mammals
B. H. Vickery and J. P. Bennett

155 New Approaches to the Physiology of Histamine
Georg Kahlson and Elsa Rosengren

197 Glial Cells and the Central Myelin Sheath
Richard P. Bunge

252 Humoral Factors in the Pathogenesis of Graves' Disease
J. M. McKenzie

NO. 2. APRIL 1968

311 Cellular Mechanisms of Oxygen Toxicity
Niels Haugaard

374 Wound Healing
John A. Schilling

424 Biochemistry and Physiology of Taurine and Taurine Derivatives
Jørgen G. Jacobsen and Lloyd H. Smith, Jr.

NO. 3. JULY 1968

512 Transformation of Animal Cells by Oncogenic DNA Viruses
Walter Eckhart

534 Nerve Growth Factor
Rita Levi-Montalcini and Pietro U. Angeletti

570 Active State in Cardiac Muscle
Allan J. Brady

601 Effects of Sex Steroids and Related Compounds on Pregnancy and on Development of the Young
Francis J. Saunders

NO. 4. OCTOBER 1968

645 "Trophic" Influences of Nerve on Muscle
Lloyd Guth

688 Metabolically Linked Vasoactive Chemicals in Local Regulation of Blood Flow
Francis J. Haddy and Jerry B. Scott

708 Ion Fluxes in Cardiac Excitation and Contraction and Their Relation to Myocardial Contractility
G. A. Langer
758 Essential Fatty Acids Reinvestigated
Roslyn B. Alfin-Slater and Lilla Aftergood
785 Endocrinological Aspects of Exposure to High Environmental Temperatures
K. J. Collins and J. S. Weiner